

Drop Fiber Optic Cable singlemode

Masterlan DROPX



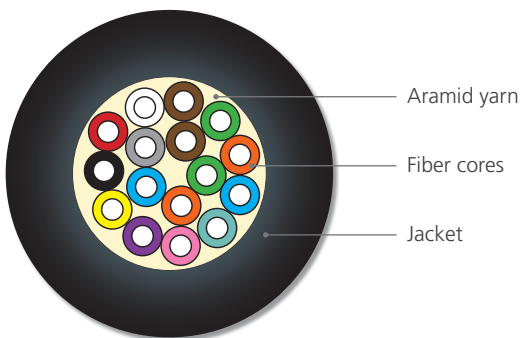
Masterlan DROPX is fiber optic drop cable suitable for both indoor and outdoor use. Used fibers are high quality Corning (G.657.A2) with perfect flexibility. Aramid yarn serves as strength and protective member. The Cable is completed with LSZH and UV stable outer jacket for wide variety of use. The Cable is lightweight construction with around 4mm(24F) in diameter, designed for easy handling and installation. Great choice for FTTx applications.

MASTERLAN DROPX FIBER OPTIC CABLE

12F 9/125	LSZH	3,8mm	ivory/black
16F 9/125	LSZH	3,9mm	ivory/black
24F 9/125	LSZH	4,0 mm	ivory/black

Cable structure and specification

Type of fiber	SM 9/125 (Corning G.657.A2)
No. of fibers	12/16/24
Outer Jacket	LSZH, UV stable
Filing compound	Aramid
Working temperature	-20°C to 50°C
Installation temperature	-7°C to 45°C
Attenuation for 1310nm	0.35 dB / km
Attenuation for 1550nm	0.20 dB / km
Tensile strength	1000 N
Crush resistance	500 N/100 mm
Min.Banding radius (short term)	4x D kabelu
Min. Banding radius (long term)	7x D kabelu
Sheath material/color	Black/Ivory
Strength member	Aramid yarn
Cable diameter 12/16/24	3.8mm/3.9mm/4.0mm
Cable weight	13/13.5/14 kg / km
Package	Plywood reel 500/2000m
Use	outdoor not protected, indoor, collectors, tubes, slack/drop 160m, blowing for 500m



Specification of singlemode fibers Corning (ITU-T G.657.A2)		
Items	Units	Specification
Mechanical Attribute		
Fiber type		Corning G.657.A2
Mode Field Diameter	μm	8.8 ± 0.4 at 1310nm 9.8 ± 0.5 at 1550nm
Cladding Diameter / Tolerance	μm	125 ± 0.7
Core Concentricity error	μm	≤ 0.5
Cladding Non-circularity	%	≤ 1.0
Coating Diameter	μm	245 ± 5
Transmission Attribute		
Attenuation	at 1310nm at 1550nm	dB / km dB / km
		Each core ≤ 0.35 Average / Roll ≤ 0.35 Each core ≤ 0.20 Average / Roll ≤ 0.20
Chromatic Dispersion	ps / nm.km	≤ 3.5 at 1310nm ≤ 18 at 1550nm
Zero Dispersion Wavelength	nm	1300 ≤ λ ₀ ≤ 1324
Zero Dispersion Slope	ps / nm ² .km	≤ 0.092
Polarization Mode Dispersion	ps / (km) ^{1/2}	≤ 0.2
Cable cut-off Wavelength (λ _{cc})	nm	≤ 1260
Fibers macrobend loss	dB	≤ 0.1 at 1625nm

The color code of the individual fibers

Sequence	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Aqua
Sequence	13	14	15	16	17	18	19	20	21	22	23	24
Color with strip	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Purple	Pink	Aqua